TwistDx

Quick Start Guide

T16-ISO

Stand Alone Mode

Study the desktop software user manual thoroughly before using the QuickStart Guide.

If the T16-ISO desktop software does not perform as expected, contact TwistDx Limited:
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T1602manual
Revision A

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CONTENTS

NOTE 1. Please note that this is a Quick Setup Guide only. Please refer to the user manual for complete instructions on the use of the T16-ISO device.

1 DEVICE LAYOUT

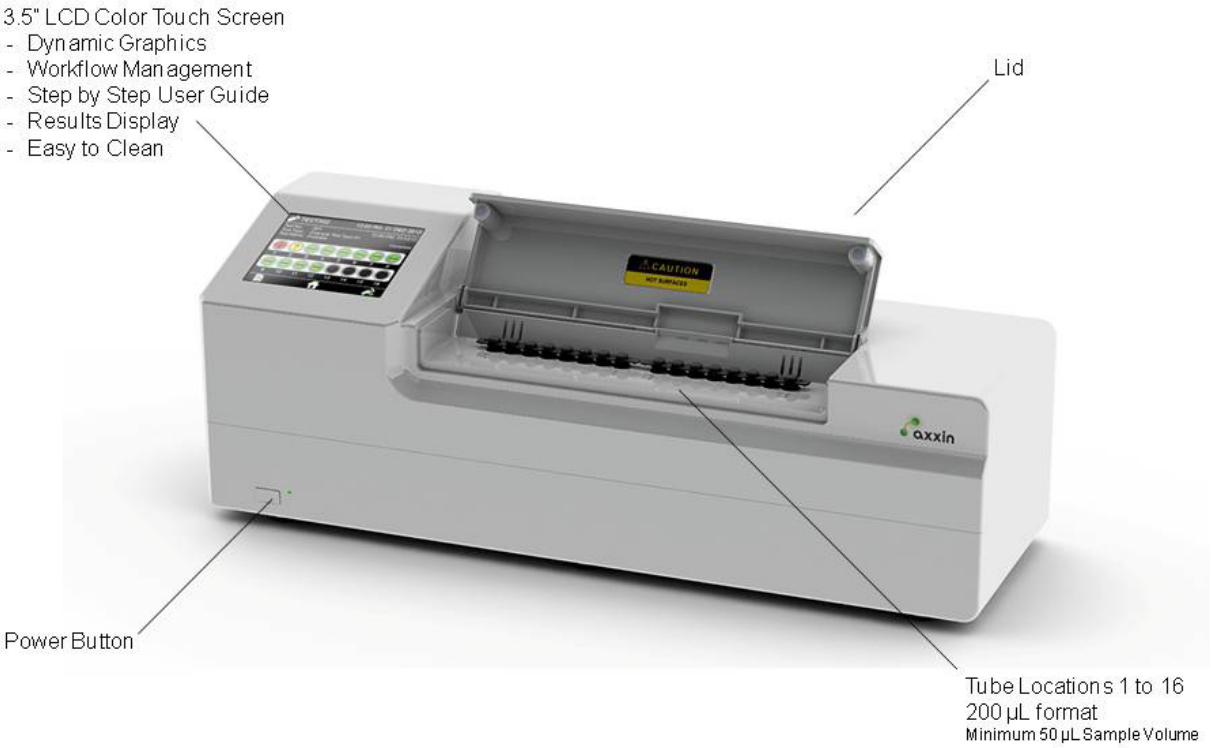


Figure 1 Front View

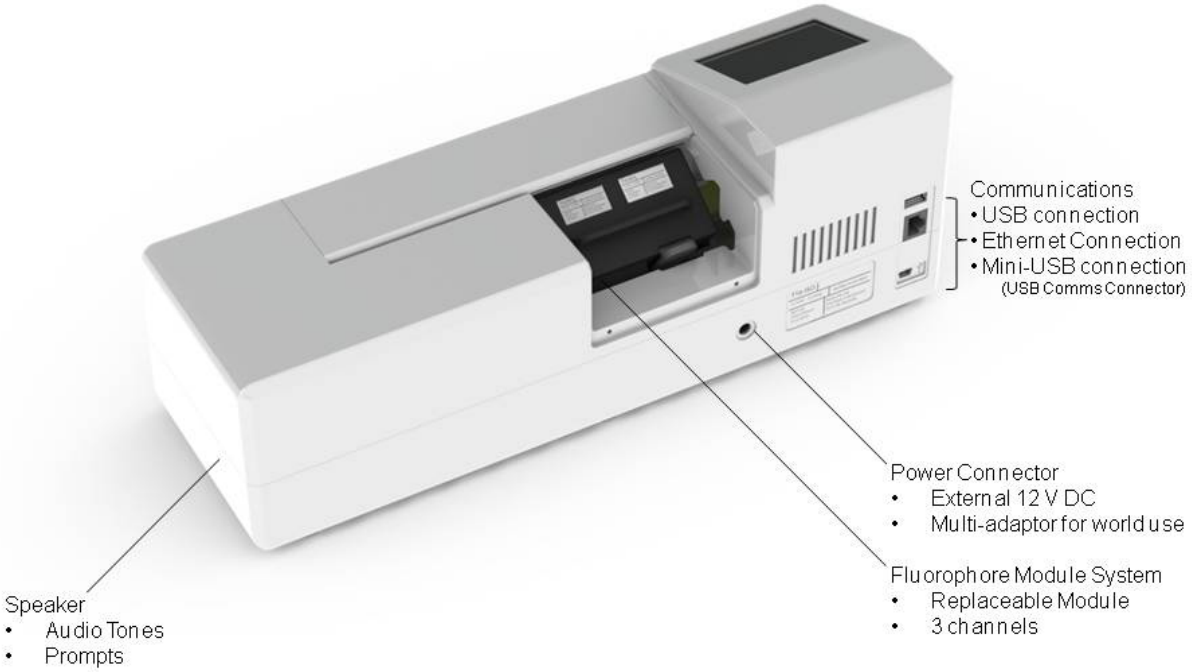


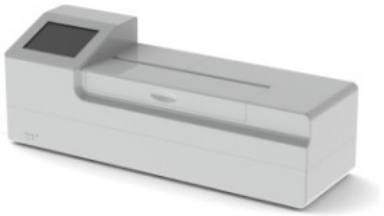
Figure 2 Back View

2 SETUP GUIDE

Inspect the T16-ISO device packaging for any obvious signs of damage during shipping prior to opening

Unpack the entire contents of the package and inspect all items for damage.

Place the T16-ISO device on a stable, level bench, in a clean office or lab type environment.



Unplug the power supply contents.

Configure the power supply for your region.

Connect the 12V power supply to the unit.

Connect the power supply to mains power

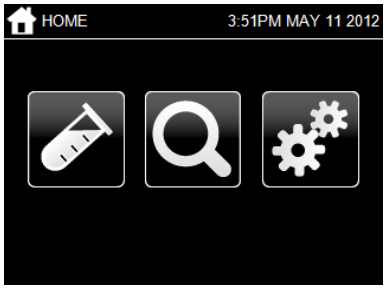
NOTE 2. An Ethernet cable is required to connect the T16-ISO device to a facility network, for network printing and to sync to network date/time settings.

NOTE 3. A USB key is used for export and import functions on the T16-ISO device. The SanDisk, Cruzer Blade brand flash memory key formatted for FAT32 with only 1 partition is the suggest USB key device for use.

3 RUN A TEST

3.1 Home Menu

HOME



Connect unit power supply to T16-ISO. The T16-ISO Instrument will start power up sequence once the user engages the power switch. The landing page is the Home Menu.

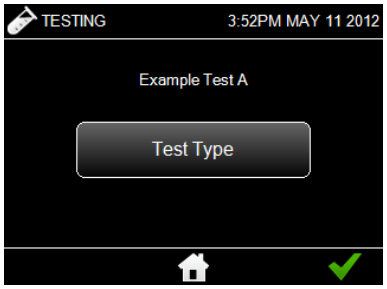
The Home Menu screen provides the following:

- Testing
- History
- Settings

3.2 New Test

HOME
TESTING

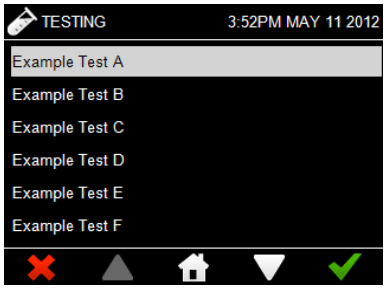
Select the “Testing” icon on the home screen.



Select “Test Type” to view the list of the currently available test types.

To change assigned test press the box again to make new selection.

Select the test type you wish to run from the onscreen test type list.



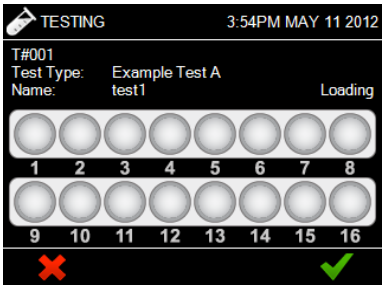
NOTE 4. Test Types created on the T16-ISO desktop application must be imported onto the device. Refer to D004829 QSG, Quick Start Guide, Desktop Software, Axxin T16-ISO Platform for more information

Once an appropriate test has been selected from the list of Test types installed on the T16-ISO Instrument, then select “OK” to navigate to the next test step.

Enter a Test Name using the onscreen keyboard.

The user enters a Test Name as an additional information field as a reference item to search and identify tests at a later date.

The test screen indicates which tubes need to be inserted for the assigned Test Type. Where a Tube is not required, an empty (black) tube location is displayed. In this example all 16 tubes are required for testing.

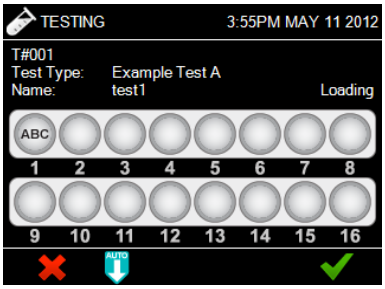


Tube locations with no Sample ID entries will remain blank until a Sample ID is entered and saved.

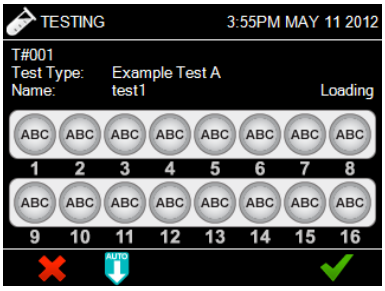
Each tube requires a unique Sample ID. Enter a Sample ID by selecting the tube location from the onscreen graphic and using the onscreen keyboard to input the text field. Select “OK” to save text input. Select “Cancel” to navigate back without saving changes.

Sample IDs: If the Test Type requires Sample ID entry this must be done using the Instrument‘s touch screen display prior to testing.

If an alpha followed by a numeric sample id is entered, for example ABC**00** the information can be auto-filled



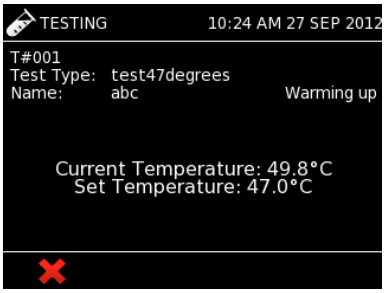
Once all Sample IDs have been entered it is now possible to start the test. Insert the samples into the T16-ISO tube bed. Select “OK” to proceed. Select “Cancel” to cancel current test.



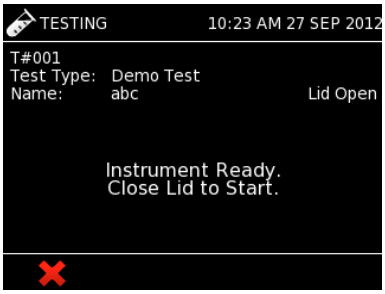
NOTE 1. Note that if the test is cancelled the test number (T#) will not be recorded in the test results and the test number will be used on the next run test.

Close Lid: The device lid is required to be closed to initiate the start of a test but once the test workflow has started, lid open and close events will be recorded in test results .JSON file for review.

The T16-ISO Instrument will display the current temperature and the test temperature set in the Test Type. Once the Temperature is set the test can begin.



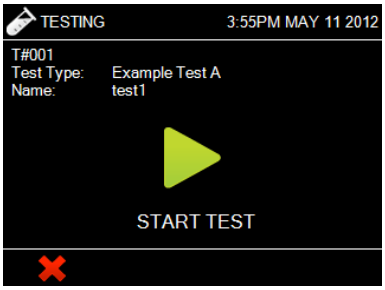
If the Test Type required the Instrument lid to close during test then the instrument will not initiate testing until the lid is closed by the user.



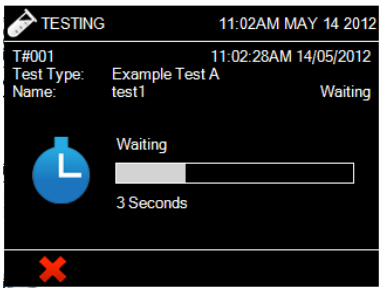
Once the:

- ✓ sample tubes have been inserted
- ✓ the test name has been entered
- ✓ all desired Sample IDs have been entered
- ✓ the T16-ISO is at temperature
- ✓ and the device lid is closed.

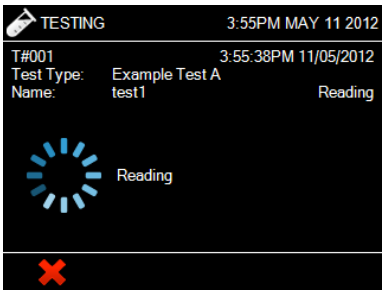
The user is ready to start a test.



The “Waiting” workflow item displays the timer countdown in which the sample is held at temperature.



The “Reading” workflow item indicates that FAM, HEX and ROX readings are being taken for the tubes and the channels selected in the Test Type.



3.3 Results

The following results are possible for the T16-ISO Instrument tests:

Negative Result

Positive Result

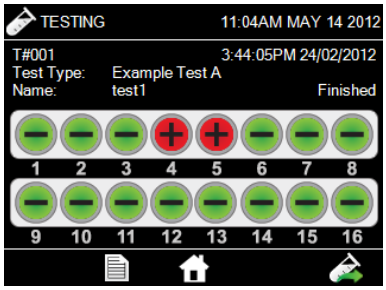
Invalid Result

No Sample ID

If a Sample ID is not entered for a Tube, no result will be displayed for that tube; instead the “No Sample ID” icon will be displayed. A warning underneath the Sample IDs indicates when no data is entered and because of this no result can be displayed.

The results screen displays the test results for each of the tubes tested. This information can be printed in a test report by selecting the “Print” icon. To start a new test by selecting the “New Test” icon.

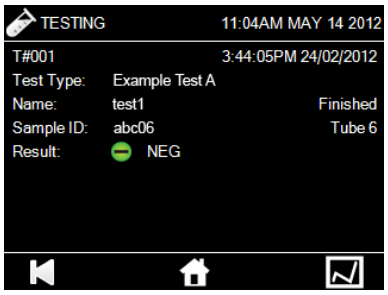
To view more results information about a specific tube result by selecting that tube from the onscreen graphic. In the examples bellow the Tube 6 “Negative” result was selected.



The Detailed Results screen displays the Sample ID and result for that tube.

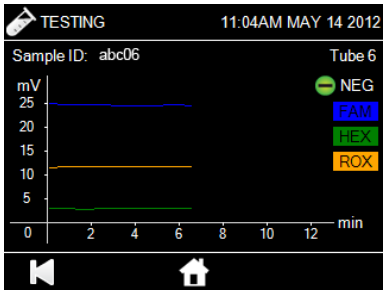
By selecting the “Graph” icon the user can view a graph for that tube.

Selecting “Print” will print a summary of this screen.



Selecting the graph icon displays the data points recorded over time as the assay develops.

Selecting “Print” will print a summary of this screen.

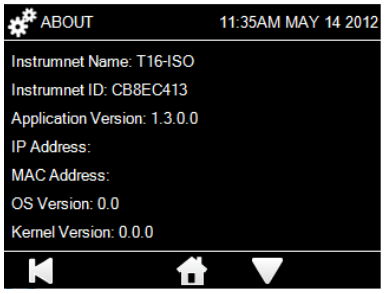


3.4 About this Device

HOME
SETTINGS
ABOUT THIS DEVICE

The “About this device” screen gives information about the T16-ISO Instrument Device including:

- Instrument Name
- Instrument ID
- Application Version
- IP Address
- Mac Address
- OS build Version
- Kernel Version

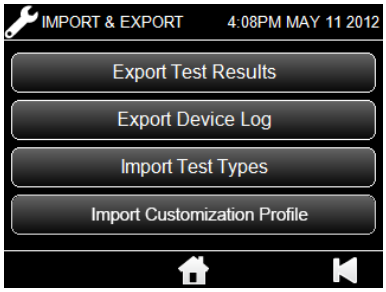


3.5 Export

HOME
SETTINGS
ADMIN SETTINGS
IMPORT & EXPORT FUNCTIONS

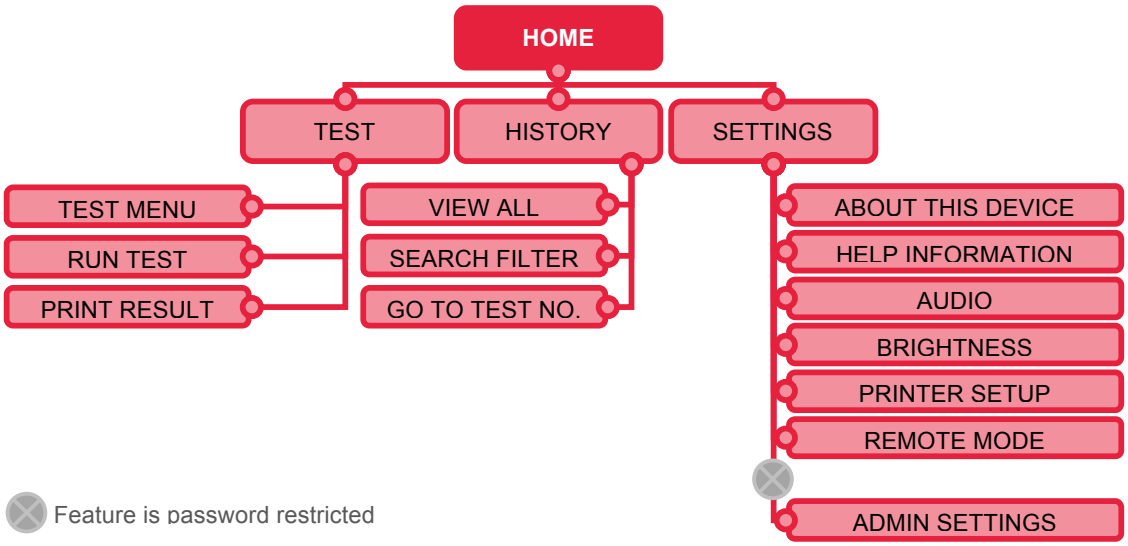
The “Data Export” function allows the admin user to export specific files to a USB memory key connected to the instrument including:

- Export Test Results
- Export Device Log
- Import Test Types
- Import Customization Profile

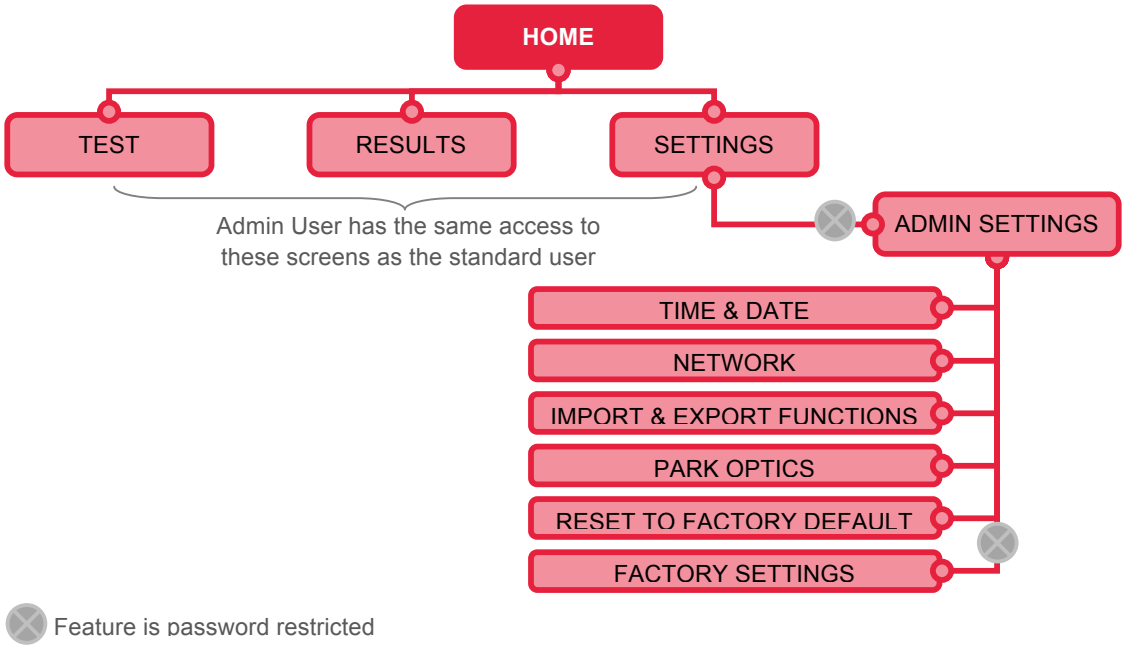


4 MENU STRUCTURE

4.1 User Menu



4.2 Administrator User



5 INSTRUMENT SPECIFICATIONS

Number of Tubes	Configured for up to 16 tubes
Assays	Supports a test types defined on the AX-ISO Desktop application
Measurement Technology	Fluorescent - 3 Channel: FAM™, HEX™, ROX™
Colour Touch Screen 3.5”	Simple workflow management Ease of use; Colour icon driver menus and prompts.
Communications	Cable Ethernet for Data Transfer. USB Port for data export, barcode reader and printer Mini USB Port for Laptop connection
Data storage	Up to 99 results (configurable)
Power	12 V DC from external AC/DC supplied plug pack. Battery power (optional). DC Voltage fluctuation ±10% DC Current consumption: 12V DC, 3.0 Amps
Dimensions	380 mm (L) x 122 mm (W) x 139 mm (H) 14.0” (L) x 4.8” (W) x 5.4” (H)
Weight	1.95 kg 4.1 lb
Lifetime	3 year calibration life 5 year instrument life
Printers	Postscript 3 Network Printer
Operating Environment	Indoor Use 10ºC to 30ºC. 10% to 70% RH (non-condensing). 0 to 2000m altitude. Pressure 0.763 bar (2000m) to 1.01 bar (sea level) Pollution category 2 Minimum light conditions of 100 LUX. Maximum light intensity of 5,000 LUX.
Storage Environment	0ºC to 45ºC, 20% to 70% RH (non-condensing) for at least 7 days. Pressure 0.763 to 1.01 bar. 0 to 2000m altitude. Maximum duration 1 month (cumulative)
Cleaning	Isopropyl Alcohol (IPA) or 10% bleach solution, on a damp, lint free wipe. (No free liquid)